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How Can We Make Library Research a Little Wild? Make It Natural!

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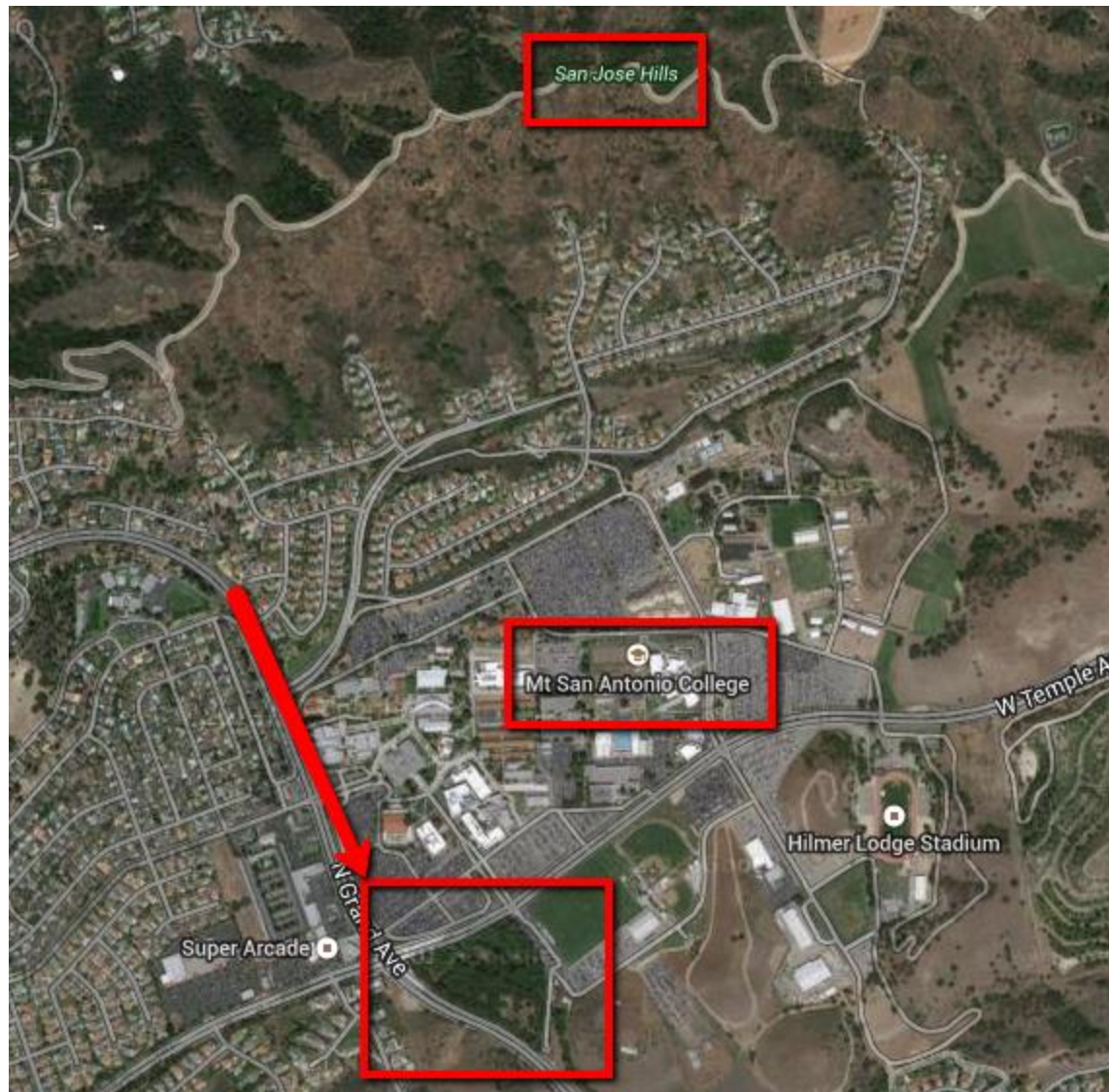
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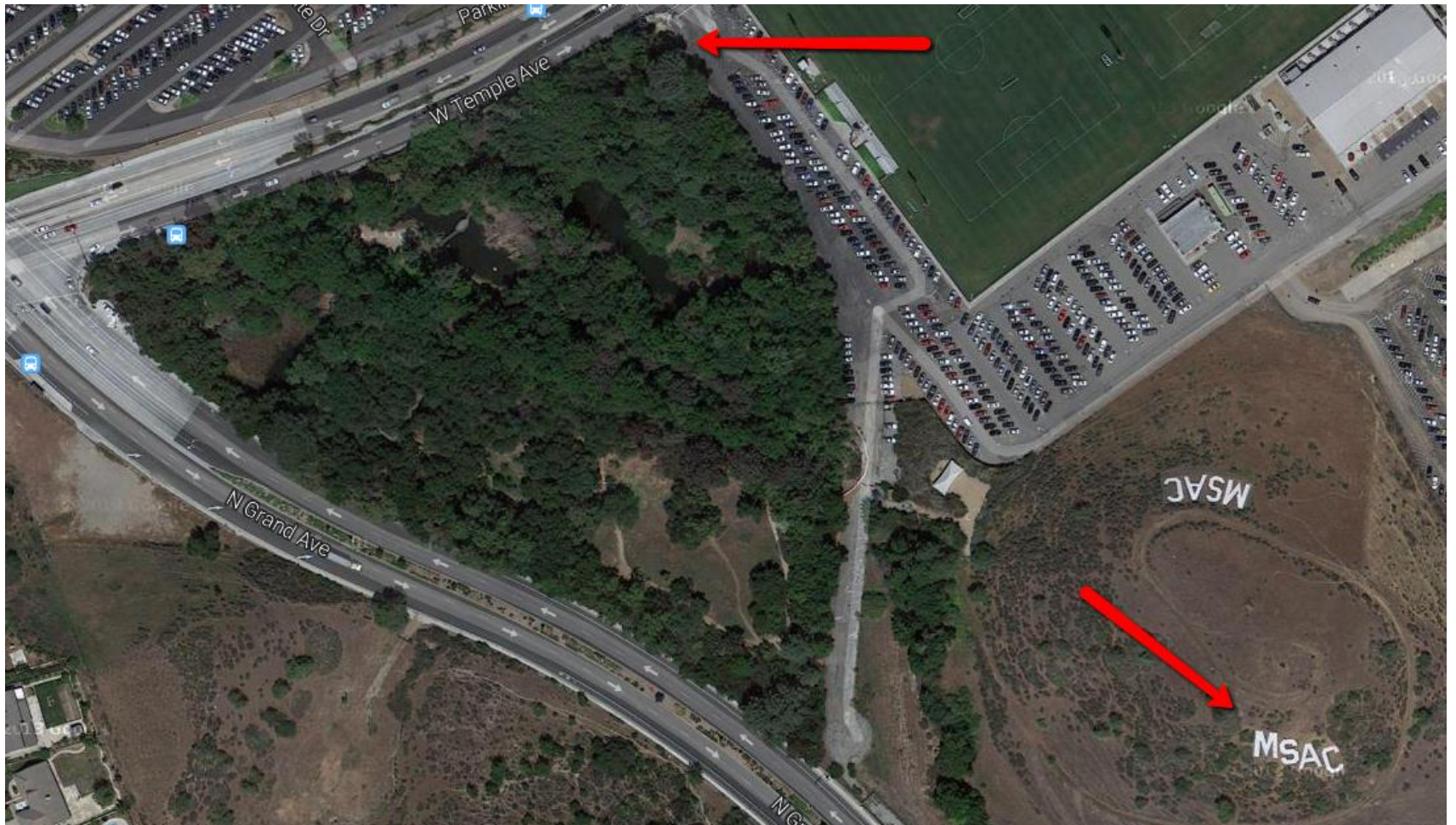
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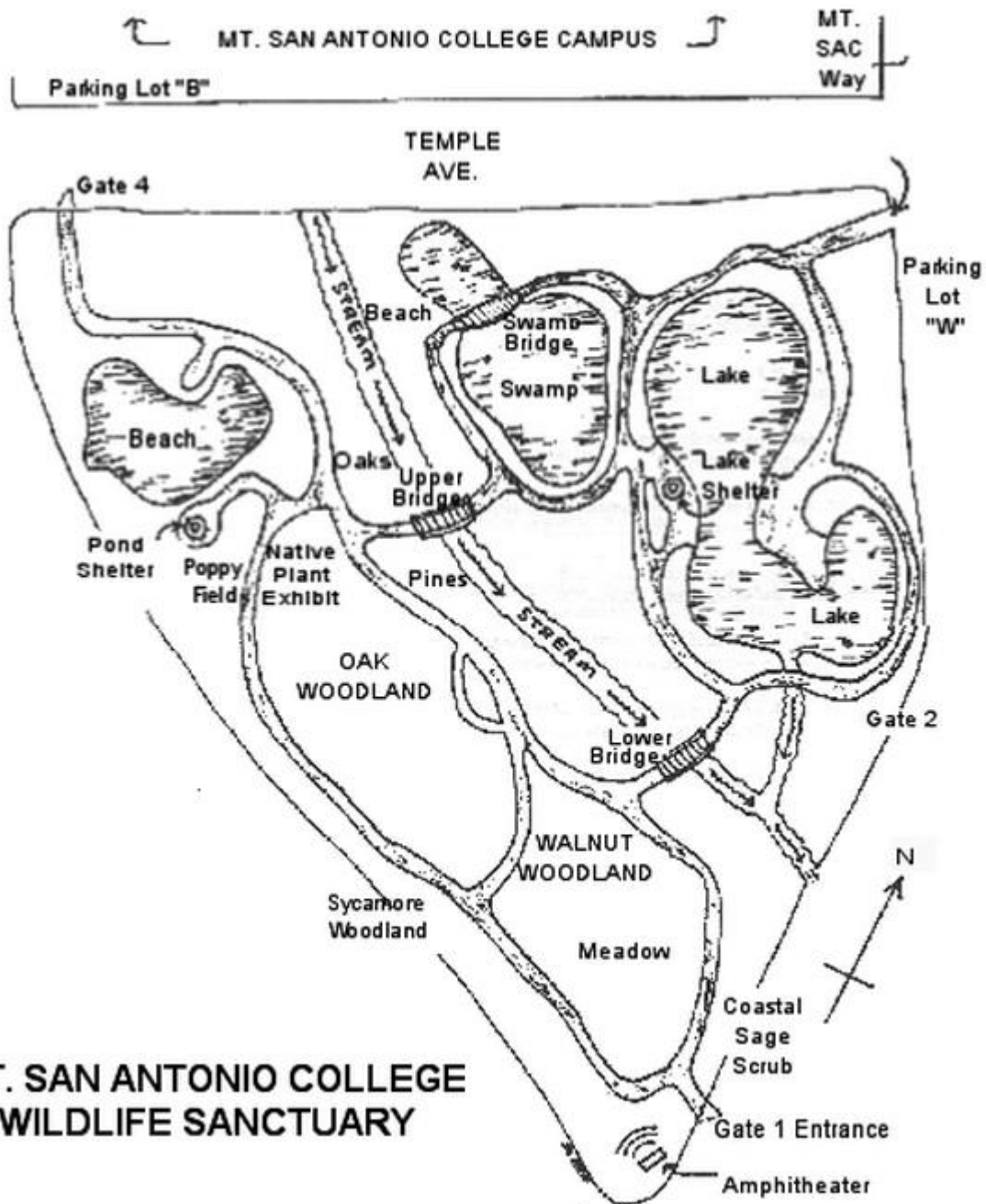
Jared Burton
Mt. San Antonio College
Walnut, California
LIW 2014











MT. SAN ANTONIO COLLEGE WILDLIFE SANCTUARY



Riparian



Lake

ECOSYSTEMS



Oak Woodland



Wetlands
(Swamp)



Chaparral
(Coastal Sage Scrub)

Craig Peterson



- Shift focus from teaching to learning
- Instead of reading, have the students visit something
- Bring in guest speakers
- Incorporate inquiry based learning
- Talk less and do more

- Worley (2009)

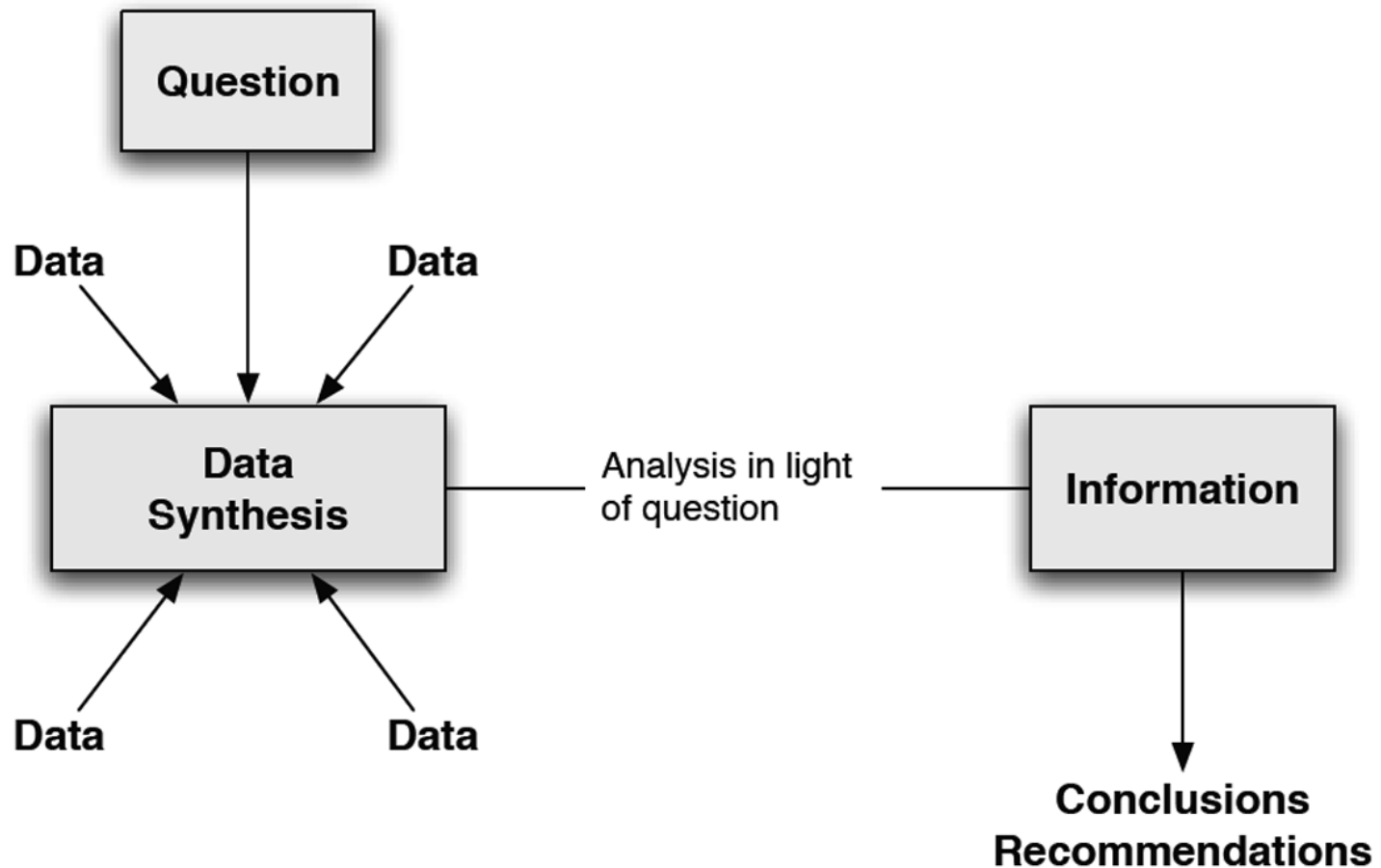
From “Educating Students of the Net Generation”

“From a **digitally minded perspective**, nature can be seen as a **giant living library** or museum filled with an infinite variety of interesting, touchable, see-able, feel-able, smell-able, and hear-able knowledge, facts, and experiences immediately available to learners.”

- Walter (2013)

“The world was a **library** and its books were stones,
leaves, grass, brooks, and the birds and animals that
shared alike with us, the storms
and blessings of the Earth.”
- Luther Standing Bear (Oglala Lakota)





From William Badke's *Research Strategies: Finding Your Way Through the Information Fog* (5th Edition - 2014)

BEFORE THE TOUR:

- Divide class into groups by ecosystem
- Assign research using print and electronic reference sources appropriate for the ecosystem
- Assign a list of terminology related to ecosystem and intergroup comparison
- Assign formulation of research questions based on research to ask the “expert” during the tour of ecosystems

DURING THE TOUR

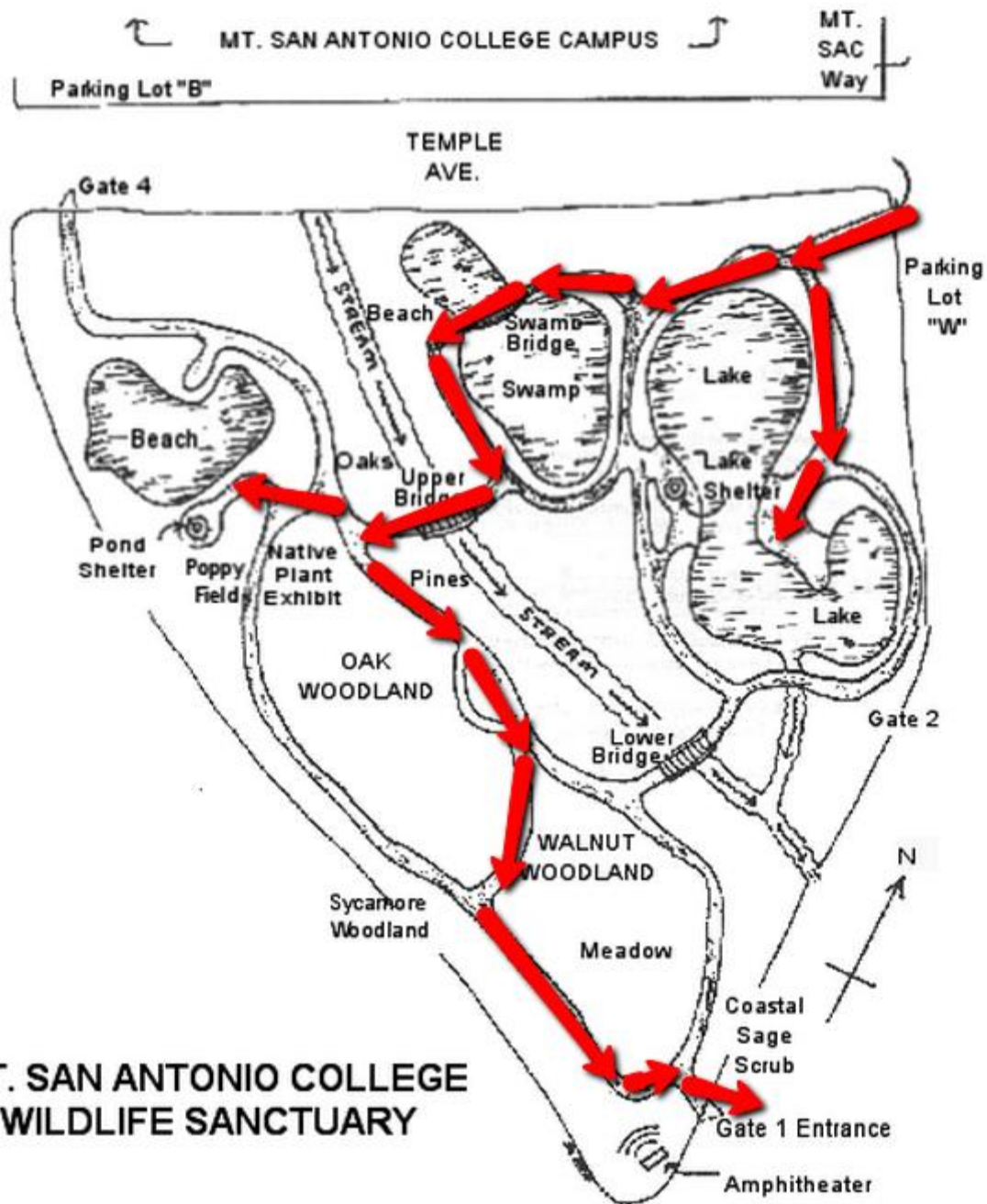
- Spontaneously assign note taking at beginning of the tour
- Include a new list of terminology based on the “expert’s” tour
- Include any new questions brought up to be asked of the “expert”

AFTER THE TOUR

- Assign an MLA citation for the tour
- Assign an annotation for citation that includes a summary of the connections between print and digital reference sources and the notes from the tour that include answers to questions and new terminology
- Use the results of the research to take research further (books, newspapers, academic journals).







**MT. SAN ANTONIO COLLEGE
WILDLIFE SANCTUARY**



- Sample terminology gathered on the tour:
 - Interconnectedness, nutrient cycle, herbicide, deciduous, angiosperm, Gabrielino, toxic spill, allocation of water, tragedy of the commons, biodiversity, gymnosperm, cochineal beetle, tip up mound, bladder pods, jojoba, bulrush, willow, acorn, tannic acid, eutrophication, boot sucking loon shit





- Sample questions asked by students:
 - How are wetlands restored? (Wetlands)
 - What is eutrophication? (Lakes)
 - What grows after a fire? (Chapparal)
 - Who controls the flow of a river? (Riparian)
 - Why are oaks protected? (Oaks)



Sustainability and “Green” Libraries

“...a true green library is one that promotes **sustainability** by leading by example and attempts to incorporate sustainability into all aspects of academic librarianship.”

- Aulisio (2013)

From “Green libraries are more than just buildings.”

“To [be a green library], librarians will need to take advantage of the resources their campus has to offer, make meaningful connections with other like minded individuals and departments, strive to educate students, and publicize their successes of their sustainability efforts.”

– Ausilio (2013)

“Librarians need to be **creative** in how they incorporate sustainability into campus life.”

- Ausilio (2013)

Ecoliteracy

“...a student’s understanding not only of ecological concepts, but also of his or her place in the ecosystem.”

- Balgopal (2009)

From “Decisions and dilemmas: Using writing to learn activities to increase ecological literacy.”

“...**ecoliterate** people collectively practice a way of life that fulfills the needs of the present generation while simultaneously supporting **nature**’s inherent ability to sustain life into the future.”

- Goleman, Bennett, Barlow (2012)
(From the book *Ecoliterate*)

Sustainability

“Meeting the needs of present generations without compromising the ability of future generations to meet their needs.” (UN)

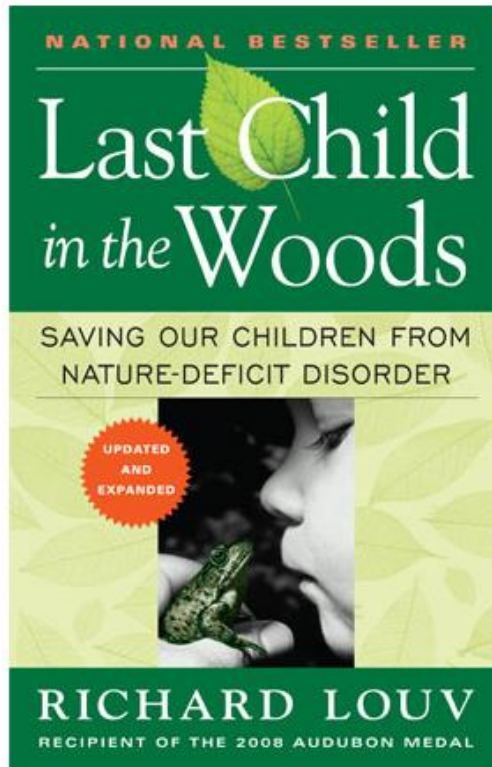


“As children, [the Net Generation] were not only protected from the world of the **outdoors** by digital technology by also controlled by it.”

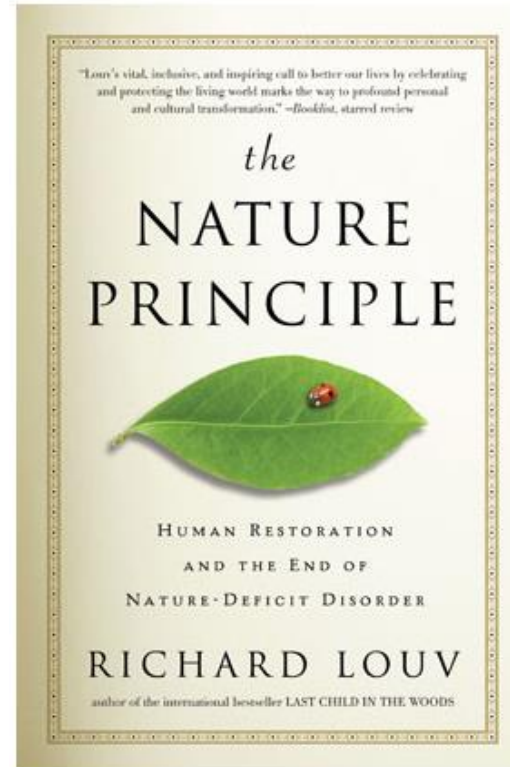
- Walter (2013)

“Millennial students have also grown up in a sheltered environment. Fear of abduction and crime caused parents to keep children close to home where their time was spent **indoors** playing video games and using computers.”

- Worley (2011)



2005



2011

Nature Deficit Disorder

“...continuing lack of direct exposure to play and **learning in nature** as a contributing factor to rising rates of obesity, attention deficit disorders, depression and other physical and mental health problems.”

Walter (2013) referring to Richard Louv's books *Last Child in the Woods* and *The Nature Principle*.



+



= Sustainable

Thank you, it was fun!

-Ashley G

Thank You For
the four
Nature is Fun
Kevin N

Hello Craig
It's Danny Cozine
the tall guy in
burtons class.
Thanks for the
tour and hope to take
more classes

Thank You! Craig!
For the Sanctuary
tour. We experienced
alot and discovery
our disorder N.N.D.
- Bernard

Thank you
for tour, I learnt
alot of helpful material
- Samuel -

It was a great
tour I had an
enlightening time
Thanks
Veronica G.

THANK YOU FOR AN AMAZING
TOUR. IT WAS MY FIRST AT
THE SANCTUARY AND I SPED A
BIT. I ACTUALLY REQUIRED A LOT
WHICH I DID NOT EXPECT. THANKS
AGAIN
-Mdrice/P.

I am now an NDD
free zone. Thank you
Nick G.

thanks Craig!
- Gabe

thank you. thank you. **thank you.**

fabecota: thanks
Professor.

**CRAIG: THANKS FOR HELPING
OUR CLASS GET A LITTLE
MEDICINE FOR OUR N.D.D.!**
(SEE BACK)

Thank you
Thanks for
curing my
NDD!!
- Marcos
Vega

Hey CRAIG!
You ARE A GREAT MAN!
I Love how you are so informative
You have made me curious to know more
about nature and
to take your
Bio to
course!
Thank you
From
Ava V

Never knew
I had NDD!
Thanks for the
tour! - Nick G

Thank you
for the tour, but
I don't have NDD.
- Stephen

Thanks for the
interesting and
fun tour!
- Sean Janda

Marys!
Candrade

Craig, Thank you for your
time in opening our eyes
to the beauty of Nature.
Now I am taking
steps to curing my
N.D.D.!!



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